



RECEIVED

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE FEB 17 2004

GROUP 3600

Applicants:	Joakim O. Blanch, et al.	§	
Serial No.:	10/025,528	§	Group Art Unit: 3663
Filed:	12/18/01	§	Examiner: Nelson Moskowitz
For:	Acoustic Logging Apparatus And Method	§	Confirmation No.: 6433

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT
IN CONJUNCTION WITH AN (eIDS)

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Att'y Docket No.: 1391-26800
Client's Ref. No.: 2001-IP-004078
Date: February 4, 2004

Sir:

In accordance with 37 CFR §1.97, §1.98, Applicants are providing herewith copies of the supplementary items listed on the attached U.S. Patent and Trademark Office Form PTO 1449. Since this application was filed prior to June 30, 2003, a copy of each publication listed on Form PTO-1449 is enclosed herewith. This information is supplemental to the Information Disclosure Statement and Form PTO 1449 filed in the above-referenced case on February 4, 2004.

The submission of this Supplemental Information Disclosure Statement and Form PTO-1449 and the references submitted therewith is not an admission that the art cited is "prior" with respect to the present invention, nor is it a representation that no better art exists. Applicants hereby reserve the right to swear behind or otherwise disprove any alleged "prior" nature of any art cited should the facts support and the situation warrant such an action.

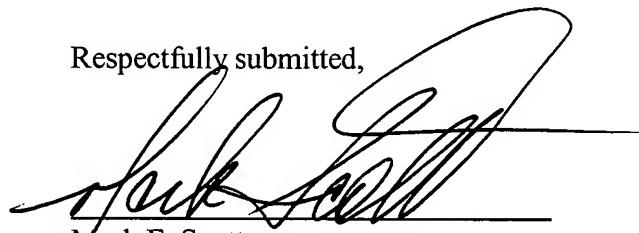
It is submitted that the art cited does not constitute a bar to the patentability of Applicants' invention under 35 U.S.C. § 102 or § 103.

Electronic Information Disclosure Statement

As a part of this submission, an electronic Information Disclosure Statement (eIDS) has been submitted on this date, and includes a listing of U.S. Patent and Published Applications of which Applicants are aware. A printed copy of that submission is attached hereto.

Because an Office Action has been entered in this case, the electronic Information Disclosure Statement and this Information Disclosure Statement are being filed under C.F.R. § 1.97(c). **However, Applicants have authorized and paid the \$180 fee by and through the electronic Information Disclosure Statement. Thus, no additional fee is required in connection with this paper submission.**

Respectfully submitted,



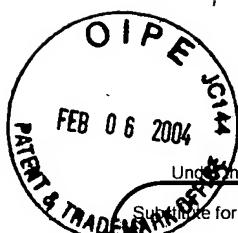
Mark E. Scott
PTO Reg. No. 43,100
CONLEY ROSE, P.C.
P.O. Box 3267
Houston, TX 77253-3267
(713) 238-8000 (Phone)
(713) 238-8008 (Fax)
ATTORNEY FOR APPLICANTS

RECEIVED

FEB 17 2004

GROUP 3600

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCEUnder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.
Submit one form 1449/PTOINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

				Complete if Known	
				Application Number	10/025,528
				Filing Date	December 18, 2001
				First Named Inventor	Joakim O. Blanch
				Art Unit	3663
				Examiner Name	Nelson Moskowitz
Sheet	2	of	3	Attorney Docket Number	1391-26800

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Alan Brie et al., "New Directions in Sonic Logging"; Spring 1998, (pp. 40-55); Oilfield Review	
		Batakrishna Mandal, "Shear wave Anistropy from Single Dipole Source" (undated)	
		Chung Chang et al.; "Localized Maps of the Subsurface," (pp. 56-66) Spring 1998; Oilfield Review	
		G. Brewton, "The Geology of the Skinner, Bartlesville and Miesner Sandstones in Well DM21A At Catoosa"; Amoco publication, Nov. 1996	
		B. A. Auld, "Acoustic Fields and Waves in Solids", Vol. I (pp. 68-423), A Wiley-Interscience Publication	
		K. Koster et al., "Dipole Shear Anistropy Logging", Amoco Publication SL3.7 (pp. 1139-1142)	
		"Faults and Faulting", EAS-A193 Class Notes, SLU (9 pp.)	
		"Seismic Waves and Earth's Interior", EAS-A193 Class Notes, SLU (13 pp.)	
		Dr. Daniel A. Ruselle, "Sound Fields Radiated by Simple Sources", Kettering University (4 pp.)	
		N. Cheng et al., "Borehole Geophysics I: Well Logging; Decomposition and particle motion of acoustic dipole log in anisotropic formation; Earth Resources Lab MIT	

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

RECEIVED

FEB 17 2004

GROUP 3600

PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEB 06 2004

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Institute for form 1449/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

3

of

3

Complete if Known	
Application Number	10/025,528
Filing Date	December 18, 2001
First Named Inventor	Joakim O. Blanch
Art Unit	3663
Examiner Name	Nelson Moskowitz
Attorney Docket Number 1391-26800	

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		J.O. Blanch et al., "A Method to Extract Fast and Slow Shear Wave Velocities in an Anisotropic Formation; SEG International Exposition and 72nd Annual Meeting, 10/11/02	
		P. Carrion et al., "Source wavelet and its angular spectrum from plane-wave seismograms", geophysics, Vol. 55, No. 8 (Aug. 1990), pp. 1026-2035	
		Chuen Hon Cheng et al., "Elastic wave propagation in a fluid-filled borehole and synthetic acoustic logs", Geophysics, Vol. 46, No. 7 (July 1981), pp. 1042-1053	
		L. Thomsen, "Reflection seismology over azimuthally anisotropic media:, Geophysics, Vol. 53, No. 3 (March 1988), pp. 304-313	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	Acoustic Logging Apparatus and Method
--------------------	---------------------------------------

Application Number: 10/025528 *10/025528*

Confirmation Number: 6433

First Named Applicant: Joakim Blanch

Attorney Docket Number: 139126800

Art Unit: 3663

Examiner: Nelson Moskowitz

Search string: (4794572 or 4803666 or 4817061 or 4888743 or 4903244 or 4933913 or 5027332 or 5029146 or 5136554 or 5214613 or 6188961 or 6098021 or 6526354 or 4789969 or 4648039 or 4951267 or 5398215 or 4995008 or 5999486 or 5835452).pn.

US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
	1	4794572	1988-12-27	Sondergeld		367	31
	2	4803666	1989-02-07	Alford			
	3	4817061	1989-03-28	Alford et al.			
	4	4888743	1989-12-19	Thomsen			
	5	4903244	1990-02-20	Alford			
	6	4933913	1990-06-12	Thomsen			
	7	5027332	1991-06-25	Alford			
	8	5029146	1991-07-02	Alford			
	9	5136554	1992-08-04	Thomsen et al.			
	10	5214613	1993-05-25	Esmersoy			
	11	6188961	1991-02-13	Mandal			

	12	6098021	2000-08-01	Tang et al.
	13	6526354	2003-02-25	Bose et al.
	14	4789969	2008-12-06	Naville
	15	4648039	1987-03-03	Devaney et al.
	16	4951267	1990-08-21	Chang et al.
	17	5398215	1995-03-14	Sinha et al.
	18	4995008	1991-02-19	Hornbostel et al.
	19	5999486	1999-12-07	DeVault
	20	5835452	1998-11-19	Mueller et al.

Signature

Examiner Name	Date

UNITED STATES PATENT AND TRADEMARK OFFICE
ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	Acoustic Logging Apparatus and Method
--------------------	---------------------------------------

Submission Type: Information Disclosure Statement

Application Number: 10/025528 *10/02!

EFS ID: 54781

Server Response:

Confirmation Code	Message
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please not resubmit this application
ICON1	6433
ISYS5	Filename= N/A BusinessRule= Validation System/Function Call Information. #Supporting Msg:Server unable to validate the Confirmation/Application numbers at this time. These should be checked by PTO personnel later.

First Named Applicant: Joakim Blanch

Attorney Docket Number: 139126800

Timestamp: 2004-02-04 10:48:00 EDT

From: us

File Listing:

Doc. Name	File Name	Size (B)
us-fee-sheet	Feb_4_2005_IDS-usfees.xml	
us-fee-sheet	us-fee-sheet.xsl	
us-fee-sheet	us-fee-sheet.dtd	
us-ids	Feb_4_2005_IDS-usidst.xml	
us-ids	us-ids.dtd	
us-ids	us-ids.xsl	
package-data	Feb_4_2005_IDS-pkda.xml	

package-data	package-data.dtd
package-data	us-package-data.xsl
Total files size	1

Message Digest: f502a2776598b9eea70165bf4051ff717b3eae32

Digital Certificate Holder cn=Mark E. Scott,ou=Registered

Name: Attorneys,ou=Patent and Trademark
Office,ou=Department of Commerce,o=U.S.
Government,c=US